

FIG.1

		$\vdash$		COM	POSI	NOI	COMPOSITION (MASS %)	(%)				HEAT
			5	22	7	ž	53	B4	a a	Se	Д	TREATMENT *1
		Ŀ	DENT TATABLE			, 2	-		6.5			-
		٦ ،	REMAINDER	0.00	,	9	-	1			Ī	-
	COMPARED	٦ ٥	PEMATNDER	3.5	; .	2.5	0		-			-
	PRODUCT	7 <	PEMATNDER	35.0		2.5	0.1	2.0	١.		Ī	-
		· LC	REMAINDER	42.0	-	2.5	1:0	2.0		,	-	-
		E	REMAINDER	20.0		2.5	1.0	6.5	-	-	-	1
		2	REMAINDER	20.0		5.0	2.0	6.5	-	·	,	
		٣	REMAINDER	20.0	ŀ	5.0	2.0	6.5	-	,	-	CARRIED OUT
	INVENTION	4	REMAINDER	20.0		5.0	2.0	6.5	-	0.1		
	FRODOCT	. 2	REMAINDER	20.0		5.0	2.0	6.5	-	-	0.05	CARRIED OUT
		9	REMAINDER	20.0		5.0	2.0	4.2	-	1	'	
		1		20.0	Ŀ	5.0	2.0	10.0	-		-	
_		1				$\ $						
-		MA	MATRIX	COMPOUND	OUND	HAR!	HARDNESS (Hv)		ND ON ON	MAXIMUM SPECIFIC LOAD NOT CAUSING	IFIC	WEAR (mm)
	-				1			7 5	S S	SELEURE (MEA)	\$	0 012
	α-	α - PHASE	SE	Mn-S1	77	1	3	3			1	100
	α-PH	ASE	α-PHASE+β-PHASE	Mn-S1	Si	7	200			20		0.003
	α-PH	SE	α-PHASE+β-PHASE	-uw	Mn-S1		125			20		900.0
	α-PH	SE	α-PHASE+β-PHASE	Mn-S1	ST		125			35		0.005
	8	R - PHASE	SE	Mn-Si	Si		180			35		0.003
	2 2	O - DHASE	SE	Mn	Mn-S1		100	2	50 (OF	(OR MORE	3	0.010
		-PHASE	SE	Ψ	Mn-S1		100	2	0	50 (OR MORE)	2	0.005
	8	V - DHASE	J.C.E.	Ä	Mn-Si		150	2	0	50 (OR MORE)	€)	0.003
	1 2	O - DHASE	ASE	Ř	Mn-S1		150		20 (0)	(OR MORE)	ε)	0.002
	8	1	DUNCE	Mn	Mn-S1	Ľ	150	2	50 (OR	MORE)	E)	0.002
FTG 2		H	- PHASE	Ä	Mn-S1	Ĺ	001	Ľ,	0)	50 (OR MORE	Ε)	0.005
i •	0	ם	- PHASE	Mn	Mn-S1	Ľ	100		0) 09	50 (OR MORE)	Ξ)	0.006
WHERE *1 HEAT TREATMENT WAS CARRIED OUT AT 400 °C FOR 1 HOUR.	TREATMENT	¥.	S CARRIED (	TA TO	400	S F	OR 1	HOUR.				
*2 MAXIN	TOM SPECIFIC	<u>ا</u> ت ن	*2 MAXIMUM SPECIFIC LOAD WAS 50 MFG IN 1HE EARLENING	ara 11	201	i i						

UNIT	mm	mdı	s/m	•	1	ပ္စ	'	Rz µm	НУ
CONDITIONS OF SEIZURE RESISTANCE TEST	$OD \times ID = \phi 25 \times \phi 21.7$	820	1.0	SAE#30	OIL BATH	ROOM TEMP	S55C	NOT MORE THAN 0.3	. ≥ 560
ITEM	SAMPLE DIMENSIONS	NUMBER OF REVOLUTION	SPEED	LUBRICANT	LUBRICATING METHOD	LUBRICANT TEMPERATURE	COUNTERPART	COUNTERPART MATERIAL ROUGHNESS	COUNTERPART MATERIAL HARDNESS

FIG.3

		$\overline{}$			$\neg \tau$	$\neg$			$\neg \neg$		
UNIT	ww	rpm	m/s	MPa	HOUR	-	t	ပွ	'	Rz µm	Н
CONDITIONS OF WEAR RESISTANCE TEST	$OD \times ID = \phi 25 \times \phi 21.7$	8.2	0.01	10	8	SAE#30	OIL BATH	150	S55C	1.0	5560
ITEM	SAMPLE DIMENSIONS	NUMBER OF REVOLUTION	SPEED	SPECIFIC LOAD	TIME	LUBRICANT	LUBRICATING	LUBRICANT TEMPERATURE	COUNTERPART MATERIAL	COUNTERPART MATERIAL ROUGHNESS	COUNTERPART MATERIAL HARDNESS

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